
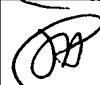




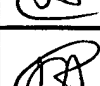
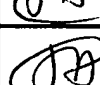
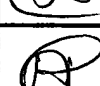
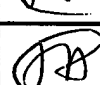
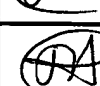
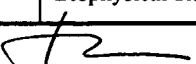
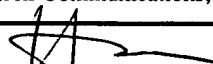


| FORM PTO - 1449 | | | | ATTY DOCKET NO.: MTP-023DV2 | | | | | |
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| INFORMATION DISCLOSURE STATEMENT | | | | APPLICANT: Keesee <i>et al.</i> | | | | | |
| | | | | SERIAL NO.: Divisional of U.S.S.N. 08/989,045 | | | | | |
| | | | | FILING DATE: <u>May 17, 1999</u> GROUP: 1642 | | | | | |
| U.S. PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE | | |
| OK | AA | 4,775,620 | 10/04/88 | Cardiff <i>et al.</i> | 435 | 7 | | | |
| OK | AB | 4,882,268 | 11/21/89 | Penman <i>et al.</i> | 435 | 5 | | | |
| OK | AC | 4,885,236 | 12/05/89 | Penman <i>et al.</i> | 435 | 6 | | | |
| OK | AD | 5,091,513 | 02/25/92 | Huston <i>et al.</i> | 530 | 387 | | | |
| OK | AE | 5,098,890 | 03/24/92 | Gerwartz <i>et al.</i> | 514 | 44 | | | |
| OK | AF | 5,273,877 | 12/28/93 | Fey <i>et al.</i> | 435 | 6 | | | |
| OK | AG | 5,547,928 | 8/20/96 | Wu <i>et al.</i> | 514 | 2 | | | |
| OK | AH | 4,474,893 | 10/2/84 | Reading | 436 | 547 | | | |
| OK | AI | 4,722,899 | 2/2/88 | Hamaoka <i>et al.</i> | 435 | 172.2 | | | |
| OK | AJ | 5,688,511 | 11/18/97 | Gaynor <i>et al.</i> | 424 | 207.1 | | | |
| OK | AK | 5,350,835 | 9/27/94 | Gaynor <i>et al.</i> | 530 | 358 | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | COUNTRY CODE | CLASS | SUB CLASS | FILING DATE | ABSTRACT ONLY | ENGLISH LANG Y/N |
| OK | BA | WO 92/20702 | 11/26/92 | PCT | | | | | Y |
| OK | BB | WO 93/09437 | 05/13/93 | PCT | | | | | Y |
| OK | BC | WO 94/12881 | 06/09/94 | PCT | | | | | Y |
| OK | BD | WO 94/00573 | 1/6/94 | PCT | | | | | Y |
| OTHER ART, JOURNAL ARTICLES, ETC. | | | | | | | | | |
| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | | | | | | | |
| EXAMINER | | | | | DATE CONSIDERED <u>2/25/01</u> | | | | |

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| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
| EXAM. INIT. | | DOCUMENT NUMBER | DATE | COUNTRY CODE | CLASS | SUB CLASS | FILING DATE | ABSTRACT ONLY | ENGLISH LANG Y/N |
| | BE | WO 90/12885 ✓ | 11/1/90 | PCT | | | | | Y |
| | BF | JP 62 084100 ✓ | 4/17/87 | JP | | | | Y | Y |
| | BG | WO 95/16919 ✓ | 6/22/95 | PCT | | | | | Y |
| | BH | WO 95/21252 ✓ | 08/10/95 | PCT | | | | | |
| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | | | | | | | |
| | CA | Berezney <i>et al.</i> , "Identification of a nuclear matrix protein", <i>Biochem. Biophys. Res. Commun.</i> 60:1410-1417 (1974). ✓ | | | | | | | |
| | CB | Bidwell <i>et al.</i> , "Nuclear Matrix Proteins Distinguish Normal Diploid Osteoblasts from Osteosarcoma Cells", <i>Cancer Research</i> , 54:28-32 (1994). ✓ | | | | | | | |
| | CC | Bidwell <i>et al.</i> , "Osteocalcin Gene Promoter Binding Factors are Tissue-Specific Nuclear Matrix Components," <i>Proc. Natl. Acad. Sci. USA</i> 90: 3162-3166, 1993. ✓ | | | | | | | |
| | CD | Brancolini <i>et al.</i> , "Change in the Expression of a Nuclear Matrix-Associated Protein is Correlated with Cellular Transformation," <i>Proc. Natl. Acad. Sci. USA</i> 88:6936-6940 (1991). ✓ | | | | | | | |
| | CE | Ciejak <i>et al.</i> , "Actively Transcribed Genes are Associated with the Nuclear Matrix," <i>Nature</i> 306: 607-609 (1983). ✓ | | | | | | | |
| | CF | Donat <i>et al.</i> , "Unique Nuclear Matrix Protein Alterations in Head and Neck Squamous Cell Carcinomas: Intermediate Biomarker Candidates," <i>Otolaryngol. Head Neck Surg.</i> 114: 387-393 (1996). ✓ | | | | | | | |
| | CG | Fey <i>et al.</i> , "The Nuclear Matrix: Defining Structural and Functional Roles," <i>Eukaryotic Gene Expression</i> , 1:127-143 (1991). ✓ | | | | | | | |
| | CH | Fey <i>et al.</i> , "Nuclear Matrix Proteins Reflect Cell Type of Origin in Cultured Human Cells," <i>Proc. Natl. Acad. Sci. USA</i> 85:121-125 (1988). ✓ | | | | | | | |
| | CI | Fisher <i>et al.</i> , "cDNA Sequencing of Nuclear Lamins A and C Reveals Primary and Secondary Structural Homology to Intermediate Filament Proteins," <i>Proc. Natl. Acad. Sci. USA</i> 83:6450-6454 (1986). ✓ | | | | | | | |
| | CJ | Getzenberg <i>et al.</i> , "Bladder Cancer-Associated Nuclear Matrix Proteins," <i>Cancer Res.</i> 56:690-694 (1996). ✓ | | | | | | | |
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| | | FILING DATE: <u>May 17, 1999</u> GROUP: 1642 | |
| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | |
| | CK | Getzenberg <i>et al.</i> , "Identification of Nuclear Matrix Proteins in the Cancer and Normal Rat Prostate," <i>Cancer Res.</i> 51:6514-6520 (1991). ✓ | |
| | CL | Getzenberg <i>et al.</i> , "The Tissue Matrix: Cell Dynamics And Hormone Action," <i>Endocr. Rev.</i> 11: 399-417 (1990). ✓ | |
| | CM | Getzenberg <i>et al.</i> , "Tissue Specificity of the Hormonal Response in Sex Accessory Tissues is Associated with Nuclear Matrix Protein Patterns," <i>Molecular Endocrinology</i> 1336-1342 (1990). ✓ | |
| | CN | Greenfield <i>et al.</i> , "Human Papillomavirus 16 E7 Protein Is Associated with the Nuclear Matrix," <i>Proc. Natl. Acad. Sci. USA</i> 88:11217-11221 (1991). ✓ | |
| | CO | Honore <i>et al.</i> , "Cloning of a cDNA Encoding a Novel Human Nuclear Phosphoprotein Belonging to the WD-40 Family," <i>Gene</i> 151:291-296 (1994). ✓ | |
| | CP | Keesee <i>et al.</i> , "Nuclear Matrix Proteins in Human Colon Cancer," <i>Proc. Natl. Acad. Sci. USA</i> 91:1913-1916 (1994). ✓ | |
| | CQ | Keesee <i>et al.</i> , "Utilization of Nuclear Matrix Proteins for Cancer Diagnosis," <i>Critical Reviews in Eukaryotic Gene Expression</i> 6(2&3):189-214 (June 1996). ✓ | |
| | CR | Khanuja <i>et al.</i> , "Nuclear Matrix Proteins in Normal and Breast Cancer Cells", <i>Cancer Research</i> 53:3394-3398 (1993). ✓ | |
| | CS | Ou <i>et al.</i> , "Cloning and Characterization of a Novel Cellular Protein, TDP-43, That Binds to Human Immunodeficiency Virus Type 1 TAR DNA Sequence Motifs," <i>J. of Virology</i> 69:3584-3596 (1995). ✓ | |
| | CT | Pillai, R., "Oncogene Expression and Prognosis in Cervical Cancer," <i>Cancer Letters</i> 59:171-175 (1991). | |
| | CU | Partin <i>et al.</i> , "Nuclear Matrix Protein Patterns in Human Benign Prostatic Hyperplasia and Prostate Cancer," <i>Cancer Research</i> 53:744-746 (1993). ✓ | |
| | CV | Stein <i>et al.</i> , "Oligodeoxynucleotides as Inhibitors of Gene Expression: A Review," <i>Cancer Research</i> 48:2659-2668 (1988). ✓ | |
| | CW | Stuurman <i>et al.</i> , "The Nuclear Matrix from Cells of Different Origin," <i>Journal of Biological Chemistry</i> 265:5460-5465 (1990). ✓ | |
| EXAMINER | | | DATE CONSIDERED 2/25/07 |

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| INFORMATION DISCLOSURE STATEMENT | | APPLICANT: Keesee, <i>et al.</i> | |
| | | SERIAL NO.: Divisional of U.S.S.N. 08/989,045 | |
| | | FILING DATE: <u>May 17, 1999</u> GROUP: 1642 | |
| EXAM. INIT. | OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication) | | |
|  | CX | Trojanovsky <i>et al.</i> , "Characterization of the Human Gene Encoding Cytokeratin 17 and its Expression Pattern," <i>European Journal of Cell Biology</i> 59:127-137 (1992). ✓ | |
|  | CY | Wu <i>et al.</i> , "Nup358, a Cytoplasmically Exposed Nucleoporin with Peptide Repeats, Ran-GTP Binding Sites, Zinc Fingers, a Cyclophilin A Homologous Domain, and a Leucine-rich Region," <i>The Journal of Biological Chemistry</i> 270:14209-14213 (1995). ✓ | |
|  | CZ | News Release; "Matritech Scientists Discover Specific Nuclear Matrix Proteins (NMPs) Associated with Cervical Cancer"; August (1996). ✓ | |
|  | CAA | Seaver <i>et al.</i> , "Monoclonal Antibodies in Industry: More Difficult Than Originally Thought," <i>Genetic Engineering News</i> , 14(14):10 and 21 (1994). ✓ | |
|  | CAB | Sevier <i>et al.</i> , "Monoclonal Antibodies in Clinical Immunology," <i>Clinical Chemistry</i> , 27(11):1797-1806 (1981). ✓ | |
|  | CAC | Chiang <i>et al.</i> , "Identification of a Tumor-Associated Antigen in Cervical Carcinoma by Two-Dimensional (Crossed) Immunoelectrophoresis," <i>J. Natl. Cancer Inst.</i> , 58(1):43-48 (1977). ✓ | |
|  | CAD | Adams <i>et al.</i> , "Rapid cDNA Sequencing (Expressed Sequence Tags) From A Directionally Cloned Human Infant Brain cDNA Library," <i>Nature Genetics</i> , 4:373-380(1993). ✓ | |
|  | CAE | Nucifora <i>et al.</i> , "Involvement of the AMLI Gene in the t(3;21) in Therapy-Related Leukemia and in Chronic Myeloid Leukemia in Blast Crisis," <i>Blood</i> , 81(10):2728-2734(1993). ✓ | |
|  | CAF | Smedts <i>et al.</i> , "Basal-cell keratins in cervical reserve cells and a comparison to their expression in cervical intraepithelial neoplasia," <i>Am J. of Pathology</i> , 140(3):601-612, 1992. ✓ | |
|  | CAG | Petrov <i>et al.</i> , "The expression of cytokeratin No. 17 in squamous cell cancer of the cervix uteri: an immunohistochemical study of 19 cases," <i>Voprosy Onkologii</i> , 38(7):797-805 (1992), Abstract only. ✓ | |
|  | CAH | Label <i>et al.</i> , "Lamin A is not synthesized as a larger precursor polypeptide," <i>Biochemical and Biophysical Research Communications</i> , 49(2): 417-23 (1987). ✓ | |
| EXAMINER   | | DATE CONSIDERED 2/25/01 | |